

WHAT IS CLAIMED IS:

1. A method for tuning database objects, the method comprising:
  - 5 collecting and storing performance data for a plurality of database objects;  
detecting a performance problem in a database server computer system;  
identifying a problematic database object of the plurality of database objects using  
the performance data for the plurality of database objects, wherein the  
problematic database object is related to the performance problem; and  
10 tuning the problematic database object to improve performance of the database  
server computer system.
2. The method of claim 1,
  - 15 wherein the tuning the problematic database object to improve performance of the  
database server computer system comprises moving the problematic  
database object from nonvolatile storage to volatile storage for improved  
speed of access.
- 20 3. The method of claim 1,
  - wherein the tuning the problematic database object to improve performance of the  
database server computer system comprises creating a new access path to  
the problematic database object.
- 25 4. The method of claim 1,
  - wherein the tuning the problematic database object to improve performance of the  
database server computer system comprises moving the problematic  
30 database object from heavily loaded storage components to less loaded

storage components.

5. The method of claim 1,
- 5 wherein the performance data comprises an I/O wait.
6. The method of claim 1,
- wherein the performance data comprises an application lock wait.
- 10 7. The method of claim 1,
- wherein the performance data comprises a resource contention.
- 15 8. The method of claim 1, further comprising:
- correlating the collected performance data to specific database objects of the  
plurality of database objects.
- 20 9. A carrier medium comprising program instructions, wherein the program  
instructions are computer-executable to implement:
- collecting and storing performance data for a plurality of database objects;  
detecting a performance problem in a database server computer system;
- 25 identifying a problematic database object of the plurality of database objects using  
the performance data for the plurality of database objects, wherein the  
problematic database object is related to the performance problem; and  
tuning the problematic database object to improve performance of the database  
server computer system.
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10. The carrier medium of claim 9,

wherein the tuning the problematic database object to improve performance of the database server computer system comprises moving the problematic database object from nonvolatile storage to volatile storage for improved speed of access.

11. The carrier medium of claim 9,

wherein the tuning the problematic database object to improve performance of the database server computer system comprises creating a new access path to the problematic database object.

12. The carrier medium of claim 9,

wherein the tuning the problematic database object to improve performance of the database server computer system comprises moving the problematic database object from heavily loaded storage components to less loaded storage components.

13. The carrier medium of claim 9,

wherein the performance data comprises an I/O wait.

14. The carrier medium of claim 9,

wherein the performance data comprises an application lock wait.

15. The carrier medium of claim 9,

wherein the performance data comprises a resource contention.

16. The carrier medium of claim 9, wherein the program instructions are further computer-executable to implement:

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correlating the collected performance data to specific database objects of the plurality of database objects.

17. A performance management system, comprising:

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a database server comprising a plurality of database objects; and  
a performance warehouse which stores performance data for the plurality of database objects;

wherein the performance management system is operable to:

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detect a performance problem in the database server;  
identify a problematic database object of the plurality of database objects  
using the performance data for the plurality of database objects,  
wherein the problematic database object is related to the  
performance problem; and

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tune the problematic database object to improve performance of the database server.

18. The performance management system of claim 17,

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wherein the tuning the problematic database object to improve performance of the database server comprises moving the problematic database object from nonvolatile storage to volatile storage for improved speed of access.

19. The performance management system of claim 17,

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wherein the tuning the problematic database object to improve performance of the database server comprises creating a new access path to the problematic database object.

5     20.     The performance management system of claim 17,

wherein the tuning the problematic database object to improve performance of the database server computer system comprises moving the problematic database object from heavily loaded storage components to less loaded storage components.

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21.     The performance management system of claim 17,

wherein the performance data comprises an I/O wait.

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22.     The performance management system of claim 17,

wherein the performance data comprises an application lock wait.

20     23.     The performance management system of claim 17,

wherein the performance data comprises a resource contention.

24.     The performance management system of claim 17, further comprising:

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wherein the performance data is correlated to specific database objects of the plurality of database objects.

25.     A system for tuning database objects, the system comprising:

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means for collecting and storing performance data for a plurality of database objects;

means for detecting a performance problem in a database server computer system;

means for identifying a problematic database object of the plurality of database objects using the performance data for the plurality of database objects, wherein the problematic database object is related to the performance problem; and

means for tuning the problematic database object to improve performance of the database server computer system.

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